Facility Management Standard for Facilities, Infrastructure, and Environment

US Army Corps of Engineers®
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Technology

The Facility Management Standard for Facilities, Infrastructure, and Environment (FMSFIE) is a nonproprietary facility management standard designed predominantly for use with commercially available off-the-shelf geographic information systems (GIS), computer-aided design and drafting (CADD), and relational database software. The FMSFIE provides a standardized database format and structure for FM-related data elements and links these to specific geospatial features of the Spatial Data Standards for Facilities, Infrastructure, and Environment (SDSFIE) and to objects of the Architectural, Engineering, and Construction (A/E/C) CADD Standard. These three standards are products of the ERDC Information Technology Laboratory's CADD/GIS Technology Center.

Problem

Facilities management (FM) is a broad term that includes requirements for handling (planning, designing, acquiring, maintaining, operating, disposing of) land, water, airspace, industrial equipment, building, structure, and utility assets. Facility managers find themselves accountable for complying with numerous laws and regulations while endeavoring to effectively manage these assets. They are handicapped by the lack of consistent policies and standards that address the acquisition, management, and disposal of properties. The lack of standards can result in costly and ineffective applications, needless repetition of efforts, and even risk of errors on projects. The FMSFIE addresses these issues by providing the means for implementing cost-effective and efficient real property management practices.

Expected Cost To Implement

The FMSFIE can be downloaded free from the CADD/GIS Technology Center's Web site at https://tsc.wes.army.mil/. It is also available on a CD-ROM by request. The FMSFIE is designed to be used with commercially available relational database software (e.g., Oracle and SQL Server) and a Microsoft Windows Operating System (e.g., Windows 2000, XP, and NT). Because the FMSFIE is nonproprietary, other organizations, contractors, and vendors may freely use the data schema and data dictionary, share FMSFIE-compliant data with other organizations, and build applications based upon the FMSFIE data schema.

Benefits/Savings

By providing a common data format using both geospatial and non-geospatial referenced technology, the FMSFIE improves business practices at government installations, commercial/private concerns, and civil works projects. These improved practices cut costs and enable sharing of data and information among organizations, thus improving facility management business practices and fostering joint cooperation and collaboration between governments and industry.

Status   The FMSFIE Release 2.30 is available for download or can be obtained on a CD-ROM by request. Current enhancements to the FMSFIE are ongoing and involve the migration of the FMSFIE to a more robust relational data model closely integrated with the SDSFIE and the A/E/C CADD Standard.

ERDC POC   For additional information, contact Bobby Carpenter at 601-634-4572 or email to Bobby.G.Carpenter@erdc.usace.army.mil.

Distribution Sources   The FMSFIE is distributed via CD-ROM and the Web at https://tsc.wes.army.mil/downloadtracking/DownloadData.asp?PID=78. The Center provides annual updates to the FMSFIE.

Available Documentation   Additional information can be obtained via the CADD/GIS Technology Center's Web site at https://tsc.wes.army.mil/.

Available Training   The CADD/GIS Technology Center conducts workshops on the FMSFIE. For information, contact Bobby Carpenter at 601-634-4572 or email to Bobby.G.Carpenter@erdc.usace.army.mil.

Available Support   The CADD/GIS Technology Center is available to assist sites in implementing the FMSFIE. For technical support, contact Bobby Carpenter at 601-634-4572 or email to Bobby.G.Carpenter@erdc.usace.army.mil.